

WHAT IS CLAIMED IS:

1. A liquid crystal display device comprising:

5 (a) a first substrate including a first area in which an incident light is reflected and a second area through which a light passes, and further including a pixel electrode covering said first and second areas therewith;

(b) a second substrate including at least an opposing electrode;

10 (c) a liquid crystal layer sandwiched between said first and second substrates and including liquid crystal molecules each having a major axis aligned perpendicularly to said first and second substrates when no electric field is applied thereto; and

(d) a first alignment-controller for controlling alignment of said liquid crystal molecules, said first alignment-controller being arranged at a boundary of said first and second areas or in the vicinity of said boundary.

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2. The liquid crystal display device as set forth in claim 1, further comprising a second alignment-controller for controlling alignment of said liquid crystal molecules, said second alignment-controller being formed in said second substrate in facing relation to said first and second areas.

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3. The liquid crystal display device as set forth in claim 1, wherein said first alignment-controller is comprised of an opening area of said first substrate where said pixel electrode does not exist.

25 4. The liquid crystal display device as set forth in claim 1, wherein said first alignment-controller is comprised of a projection formed on said pixel electrode on said first substrate, said projection being composed of dielectric substance.

5. The liquid crystal display device as set forth in claim 1, wherein a cell gap

above said first area and a cell gap above said second area are different from each other.

6. The liquid crystal display device as set forth in claim 1, wherein said first  
5 substrate has a level-different portion between said first and second areas.

7. The liquid crystal display device as set forth in claim 3, wherein said opening area is located in said first area.

10 8. The liquid crystal display device as set forth in claim 3, wherein said opening area is located at a boundary between said first and second areas.

9. The liquid crystal display device as set forth in claim 3, wherein said opening area is located in said second area.

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10. The liquid crystal display device as set forth in claim 4, wherein said projection is located in said first area.

11. The liquid crystal display device as set forth in claim 4, wherein said  
20 projection is located in said second area.

12. The liquid crystal display device as set forth in claim 2, wherein said second alignment-controller is comprised of a second opening area of said second substrate where said opposing electrode does not exist.

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13. The liquid crystal display device as set forth in claim 1, wherein said pixel electrode is formed with at least one opening area for dividing said pixel electrode into a plurality of sections in said first and second areas,

said second alignment-controller is comprised of a second opening area of

said second substrate where said opposing electrode does not exist,

said opposing electrode is formed with two second opening areas each in facing relation to said pixel electrode in said first area and said pixel electrode in said second area.

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14. The liquid crystal display device as set forth in claim 1, wherein said pixel electrode is formed with at least one opening area for dividing at least a part of said pixel electrode into a plurality of sections in said first and second areas,

10       said second alignment-controller is comprised of a second opening area of said second substrate where said opposing electrode does not exist,

said opposing electrode is formed with a plurality of second opening areas in facing relation to each of said sections and/or a non-divided portion of said pixel electrode.

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15. The liquid crystal display device as set forth in claim 13, wherein each of said second opening area and said pixel electrode is symmetrical about a longitudinal direction of said liquid crystal display device.

20       16. The liquid crystal display device as set forth in claim 14, wherein each of said sections in said first area is larger in area than each of said sections in said second area.

25       17. The liquid crystal display device as set forth in claim 3, wherein said opening area extends across a boundary between said first and second areas, and said pixel electrode in said first area is connected to said pixel electrode in said second area through at least one line-shaped pixel electrode.

18. The liquid crystal display device as set forth in claim 3, wherein said

opening area is formed in one of said first and second areas, and is comprised of a first region located adjacent to said first or second area, a second region spaced away from said first region, and at least one line-shaped connection region connecting said first and second regions to each other.

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19. The liquid crystal display device as set forth in claim 12, wherein said second opening area is comprised of a cross slit.

20. The liquid crystal display device as set forth in claim 12, wherein a  
10 center of said second opening area is in alignment with a center of said pixel electrode.